



# 1999 Toxics Release Inventory

## SOUTH CAROLINA

### Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	49,622,767	24,055,836	73,678,603
Air Emissions	42,770,032	15,285,620	58,055,652
Surface Water Discharges	3,432,379	37,979	3,470,358
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	88,133	5,227,609	5,315,742
Other On-site Land Releases	3,332,223	3,504,628	6,836,851
Off-site Releases (Transfers Off-site to Disposal)*	10,107,676	274,618	10,382,294
<b>Total On- and Off-site Releases</b>	<b>59,730,443</b>	<b>24,330,454</b>	<b>84,060,897</b>
Recycled On-site	456,029,197	3,195,088	459,224,285
Recycled Off-site	59,431,431	248,126	59,679,557
Energy Recovery On-site	164,249,561	9,780	164,259,341
Energy Recovery Off-site	19,809,233	14,586,568	34,395,801
Treated On-site	103,518,595	11,569,570	115,088,165
Treated Off-site**	10,708,091	477,730	11,185,821
Quantity Released On- and Off-site***	62,529,069	36,923,188	99,452,257
<b>Total Production-related Waste Managed</b>	<b>876,275,177</b>	<b>67,010,050</b>	<b>943,285,227</b>
<b>Total Non-production-related Waste Managed</b>	<b>280,999,863</b>	<b>23</b>	<b>280,999,886</b>

### Transfers Off-site for Further Waste Management/Disposal

Recycling	44,726,492	248,129	44,974,621
Energy Recovery	18,853,304	14,984,105	33,837,409
Treatment	3,831,849	505,586	4,337,435
Publicly Owned Treatment Works (POTWs)	6,774,354	535	6,774,889
Metals and Metal Compounds*	161,991	0	161,991
Non-metal TRI Chemicals**	6,612,363	535	6,612,898
Other Off-site Transfers***	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	16,945,175	274,750	17,219,925
<b>Total Transfers Off-site for Further Waste Management/Disposal</b>	<b>91,131,174</b>	<b>16,013,105</b>	<b>107,144,279</b>

\* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\* Transfers reported without a valid waste management code.

### For More Information . . .

#### State Contact:

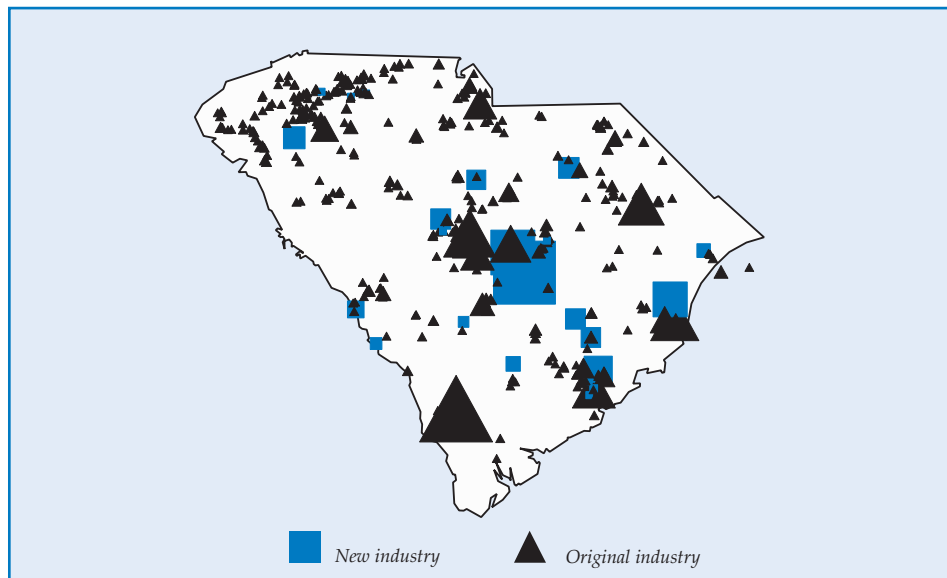
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#### EPA Regional Contact:

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#### To obtain TRI data use assistance, call TRI User Support Service (TRI-US):

(202) 260-1531  
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The largest marker in the state map represents the largest facility for on-site releases in the state of South Carolina. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

### State/TRI Data

Population	3,885,736
Square Miles	30,111
Total Facilities	500
Total Forms	1,972
Form As	278

	Original Industries	New Industries	Total
<b>National Rank for Total On- and Off-site Releases*</b>			
Rank	15	26	23
Pounds	59,730,443	24,330,454	84,060,897
<b>National Rank for Total On-site Releases**</b>			
Rank	16	25	24
Pounds	49,622,767	24,055,836	73,678,603
<b>National Rank for Total Releases within State***</b>			
Rank	16	25	23
Pounds	57,975,113	24,588,541	82,563,654
<b>National Rank for Production-related Waste Managed</b>			
Rank	7	24	9
Pounds	876,275,177	67,010,050	943,285,227

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 1999 Toxics Release Inventory

# SOUTH CAROLINA

## On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
67-56-1	Methanol	14,033,699	80,191	0	266,821	10,087	14,390,798	6,394	6,194	3,984
--	Zinc compounds	40,500	46,577	0	267,836	7,742,570	8,097,483	318,140	884,569	6,911,910
108-88-3	Toluene	4,684,407	245	0	1,361	1,677	4,687,690	286,499	281	1,396
7440-47-3	Chromium	10,604	506	0	5	3,956,594	3,967,709	49,097	3,957,305	3,293
7664-41-7	Ammonia	3,008,363	204,786	0	16,996	63,604	3,293,749	1,000	63,533	71
--	Nitrate compounds	756	2,399,243	0	190,562	28	2,590,589	39	28	0
108-95-2	Phenol	1,239,460	1,743	0	1,257,208	1,166	2,499,577	6	218	948
75-09-2	Dichloromethane	2,223,463	781	0	3,217	1,326	2,228,787	232	1,326	0
--	Manganese compounds	19,400	296,999	0	527,984	1,215,715	2,060,098	63,258	478,651	769,927
7647-01-0	Hydrochloric acid	1,682,425	0	0	0	0	1,682,425	0	0	0

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

## On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	12,248,163	0	0	0	0	12,248,163	0	0	0
7664-93-9	Sulfuric acid	1,955,309	0	0	32,351	0	1,987,660	0	0	0
--	Barium compounds	18,518	14,201	0	1,255,210	179,023	1,466,952	5	179,061	0
7440-66-6	Zinc (fume or dust)	328	0	0	1,078,568	0	1,078,896	250	0	0
7664-39-3	Hydrogen fluoride	1,001,101	0	0	0	0	1,001,101	0	0	0
7439-92-1	Lead	260	0	0	856,924	0	857,184	49,483	0	0
--	Zinc compounds	3,841	15,522	0	685,087	28,305	732,755	32	28,360	0
8001-58-9	Creosote	218	0	0	716,348	0	716,566	0	0	0
--	Copper compounds	1,455	730	0	589,142	27,940	619,267	7,903	27,940	0
1344-28-1	Aluminum oxide (fibrous forms)	158	0	0	520,967	0	521,125	0	0	0

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.



# 1999 Toxics Release Inventory

# SOUTH CAROLINA

## On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	On-site Releases to Land				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
International Paper, Hampton, Hampton	4,849,281	555	0	0	0	0	4,849,836	0	4
Intertape Polymer Group Columbia Div., Columbia, Richland	3,290,025	0	0	0	0	0	3,290,025	1,021	351
International Paper Georgetown Mill, Georgetown, Georgetown	2,925,542	54,929	0	0	0	0	2,980,471	279,600	0
Stone Container Corp., Florence, Florence	2,428,458	62,440	0	0	0	317,212	2,808,110	0	0
Westvaco Corp. Packaging Resources Group (PRG), North Charleston, Charleston	2,533,120	48,175	0	0	0	0	2,581,295	134,123	0
International Paper, Eastover, Richland	1,599,910	348,550	0	0	0	455,900	2,397,930	0	0
Devro-Teepak, Inc., Swansea, Calhoun	1,710,000	174,600	0	0	0	0	1,884,600	0	0
Bowater Inc. Coated Paper Div., Catawba, York	1,434,963	226,106	0	0	0	202,630	1,863,699	0	0
3V Inc., Georgetown, Georgetown	1,509,529	15,318	0	0	0	0	1,524,847	0	0
Nicca USA Inc., Fountain Inn, Laurens	28,300	1,250	0	0	0	1,412,877	1,442,427	63,470	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

## On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	On-site Releases to Land				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Safety-Kleen (Pinewood), Pinewood, Sumter	1,589	0	0	0	5,227,609	2	5,229,200	0	0
South Carolina Electric & Gas Co. - Wateree Station, Eastover, Richland	3,354,437	9,934	0	0	0	153,701	3,518,072	0	0
Winyah Generating Station, Georgetown, Georgetown	1,982,116	5	0	0	0	614,797	2,596,918	0	0
South Carolina Electric & Gas Co. Williams Station - Genco, Goose Creek, Berkeley	2,002,425	13,852	0	0	0	0	2,016,277	167,412	0
Duke Energy Lee Steam Station, Pelzer, Anderson	1,280,505	1,730	0	0	0	119,010	1,401,245	10	0
H.B. Robinson Steam Electric Plt., Hartsville, Darlington	1,182,860	0	0	0	0	110,000	1,292,860	0	0
South Carolina Electric & Gas Co. -Mcmeekin Station, Columbia, Lexington	1,184,563	1,100	0	0	0	59,334	1,244,997	0	0
Cross Generating Station, Pineville, Berkeley	461,269	0	0	0	0	776,815	1,238,084	0	0
Jefferies Generating Station, Moncks Corner, Berkeley	1,196,520	0	0	0	0	0	1,196,520	0	0
Kennecott Ridgeway Mining Co., Ridgeway, Fairfield	0	0	0	0	0	1,158,825	1,158,825	0	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1999 Toxics Release Inventory

## SOUTH CAROLINA

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- production- related Waste Managed Pounds
Nucor Steel, Huger, Berkeley	0	1,745,626	0	0	0	0	7,281,123	9,026,749	0
International Paper, Hampton, Hampton	9,892	0	0	37,458	0	71,207	4,849,285	4,967,842	0
Intertape Polymer Group Columbia Div., Columbia, Richland	13,666,360	0	0	67,308	674,000	773	3,290,025	17,698,466	0
International Paper Georgetown Mill, Georgetown, Georgetown	0	0	0	0	15,383,600	0	3,262,480	18,646,080	0
Stone Container Corp., Florence, Florence	0	0	0	0	4,720,000	0	2,808,110	7,528,110	0
Westvaco Corp. Packaging Resources Group (PRG), North Charleston, Charleston	0	0	8,103,000	10,550	5,146,879	0	2,682,196	15,942,625	1
International Paper, Eastover, Richland	0	0	588,900	0	5,804,580	0	2,381,370	8,774,850	0
Devro-Teepak, Inc., Swansea, Calhoun	0	0	0	0	539,000	0	1,884,600	2,423,600	0
Bowater Inc. Coated Paper Div., Catawba, York	0	0	163,160	0	6,980,390	0	1,863,681	9,007,231	0
3V Inc., Georgetown, Georgetown	68,587,238	0	2,366,692	871,005	730,568	0	1,524,301	74,079,804	7,211

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- production- related Waste Managed Pounds
Winyah Generating Station, Georgetown, Georgetown	0	270	0	0	3,340,693	0	15,197,185	18,538,148	0
Safety-Kleen (Pinewood), Pinewood, Sumter	0	0	0	0	0	16,452	5,213,195	5,229,647	0
South Carolina Electric & Gas Co. - Wateree Station, Eastover, Richland	0	0	0	0	574,965	0	3,518,072	4,093,037	0
South Carolina Electric & Gas Co. Williams Station - Genco, Goose Creek, Berkeley	0	0	0	0	358,250	0	2,183,689	2,541,939	0
Duke Energy Lee Steam Station, Pelzer, Anderson	0	0	0	0	6,200	0	1,402,000	1,408,200	5
H.B. Robinson Steam Electric Plt., Hartsville, Darlington	0	0	0	0	0	0	1,292,000	1,292,000	4
South Carolina Electric & Gas Co. -Mcmeekin Station, Columbia, Lexington	0	0	0	0	335,120	0	1,244,998	1,580,118	0
Cross Generating Station, Pineville, Berkeley	0	946	0	0	4,530,473	0	1,239,029	5,770,448	0
Jefferies Generating Station, Moncks Corner, Berkeley	0	0	0	0	334,746	0	1,196,520	1,531,266	0
Kennecott Ridgeway Mining Co., Ridgeway, Fairfield	0	0	0	0	32,000	0	1,165,000	1,197,000	0

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.